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| APPLICATION NO.             | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------|-------------|----------------------|---------------------|------------------|
| 10/025,911                  | 12/26/2001  | Dong Jae You         | 8733.543.00         | 7511             |
| 30827                       | 7590        | 11/30/2004           | EXAMINER            |                  |
| MCKENNA LONG & ALDRIDGE LLP |             |                      | DONG, DALEI         |                  |
| 1900 K STREET, NW           |             |                      | ART UNIT            |                  |
| WASHINGTON, DC 20006        |             |                      | PAPER NUMBER        |                  |
|                             |             |                      | 2879                |                  |

DATE MAILED: 11/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                               |                               |  |
|------------------------------|-------------------------------|-------------------------------|--|
| <b>Office Action Summary</b> | Application No.<br>10/025,911 | Applicant(s)<br>YOU, DONG JAE |  |
|                              | Examiner<br>Dalei Dong        | Art Unit<br>2879              |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 20 October 2004.  
2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-6,13-15 and 17-19 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1,2,4-6,13-15 and 17-19 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 26 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All    b) ☐ Some \*    c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 13-15, 17 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 3,143,301 to Trautner.

Regarding to claim 13, Trautner discloses in Figures 6-9, an apparatus comprising: a device (1) having an electrode (17 and 18); a wire (50 and 51) a connector (27) including electrically conductive material, wherein the connector directly contacts the electrode (17 and 18) and the wire (50 and 51), wherein the connector (27) includes: a first curved portion (43, 44 and 45) directly contacting the electrode (17 and 18); and a second curved portion (52 including 53, 54, 55 and 56) directly contacting the wire (50 and 51).

Regarding to claim 14, Trautner discloses in Figures 6-9, a holder (26) that protects a portion (7) of the device (1) and a portion of the wire (50 and 51) from external impacts.

Regarding to claim 15, the holder (26) includes molded material (see column 2, lines 48-54). Further, the injection molded is a method of forming a device and is not

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germane to the issue of patentability of the device itself. Therefore, this limitation has not been given patentable weight.

Regarding to claim 17, Trautner discloses in Figures 6-9, the first curved wing (43, 44 and 45) at least partially surrounding the electrode (17 and 18) of the lamp (1) and the second curved wing (52 including 53, 54, 55 and 56) is at least partially surrounding the portion of the wire (50 and 51).

Regarding to claim 19, the injection molded product is molded around the lamp and the wire is a method of forming a device and is not germane to the issue of patentability of the device itself. Therefore, this limitation has not been given patentable weight.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 2, 4-6 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 3,143,301 to Trautner.

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Regarding to claim 1, Trautner discloses in Figures 6-9, a lamp apparatus comprising: a lamp (1) of an electrode (17 and 18); a wire (50 and 51) to deliver the external voltage; and a connector (27) for electrically connecting the electrode (17 and 18) of the lamp (1) to the wire, the connector (27) directly contacting the electrode (17 and 18) and a portion of the wire (50 and 51), wherein the connector includes: a first curved wing (43, 44 and 45) for directly contacting the electrode (17 and 18) of the lamp; and a second curve (52 including 53, 54, 55 and 56) for directly contacting a portion of the wire (50 and 51).

Applicant claims the lamp capable of using a discharge, however while features of an apparatus may be recited either structurally or functionally, claims directed to an apparatus must be distinguished from the prior art in terms of structure rather than function alone (see MPEP 2114).

Further, a discharge lamp is old and well known in the art and it would have been obvious to one having ordinary skill in the art at the time the invention was made to have utilize a discharge lamp for the lamp apparatus of Trautner in order to obtain desired visual characteristics.

Regarding to claim 2, Trautner discloses in Figure 2, a unifying means (26) for integrally forming the power terminal (17 and 18) of the lamp and the wire (50 and 51) electrically connected to each other via the connector.

Regarding to claim 4, Trautner discloses the unifying means (26) is an molded product (see column 2, lines 48-54) for unifying an end (7) of the lamp (1), the electrode of the lamp (17 and 18), the connector (27) and the wire (50 and 51). Further, the injection molded is a method of forming a device and is not germane to the issue of patentability of the device itself. Therefore, this limitation has not been given patentable weight.

Regarding to claim 5, Trautner discloses a material of the molded product is selected from any one of the group comprising plastic and silicon (see column 2, lines 48-54). Further, the injection molded is a method of forming a device and is not germane to the issue of patentability of the device itself. Therefore, this limitation has not been given patentable weight.

Regarding to claim 6, Trautner discloses in Figures 6-9, the first curved wing (43, 44 and 45) at least partially surrounding the electrode (17 and 18) of the lamp (1) and the second curved wing (52 including 53, 54, 55 and 56) is at least partially surrounding the portion of the wire (50 and 51).

Regarding to claim 18, the injection molded product is molded around the lamp and the wire is a method of forming a device and is not germane to the issue of patentability of the device itself. Therefore, this limitation has not been given patentable weight.

***Response to Arguments***

5. Applicant's arguments with respect to claims 1, 2, 4-6, 13-15 and 17-19 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following prior art are cited to further show the state of the art of composition of a lighting apparatus.

U.S. Patent No. 2,988,725 to Vallee.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalei Dong whose telephone number is (571)272-2370. The examiner can normally be reached on 8 A.M. to 5 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar Patel can be reached on (571)272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



D.D.

November 23, 2004



Joseph Williams  
Primary Examiner  
Art Unit 2879